


Tests Edit Test

 Tests  Groups  Links **Primary 4 - Term 4 Science (SCGS)**  Duplicate Print Delete Assign Test**Test Introduction**[+ Add Introduction](#)**63 Questions** (74 Points)Question Bank: 19,950 Questions 

Test Questions

1 Test Assignment

Question 1

Primary 4 Science » Primary 4 Science (Term 4)

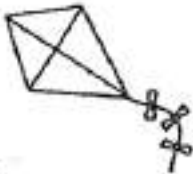
2 pts

Booklet A (28 x 2 marks)

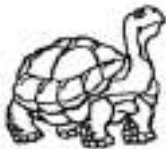
For each question from 1 to 28, four options are given. One of them is the correct answer.

Which one of the following is a living thing?

A)



✓ B)



C)



D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,830,306

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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Question 2

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Which one of the following is not a source of heat?

- A) The sun
- B) A lighted bulb
- C) A candle flame
- ✓ D) A woollen sweater

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,830,310

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Question 3

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Which one of the following properties is true for both air and a pen?

- A) They have definite volume
- B) They can be seen
- ✓ C) They take up space
- D) They have definite shapes

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,830,319

Question 4

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Which one of the animals shown below is not an insect?

A)



B)



✓ C)



D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,830,323

Question 5

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

A, B, C and D are the various stages in the life cycle of a mosquito.



A



B



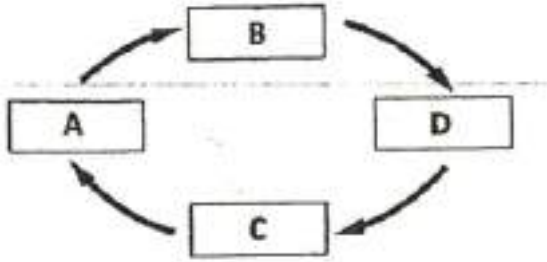
C



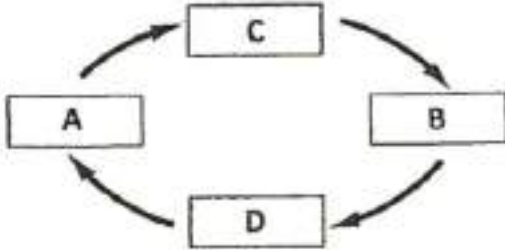
D

Which of the following correctly shows the life cycle of a mosquito?

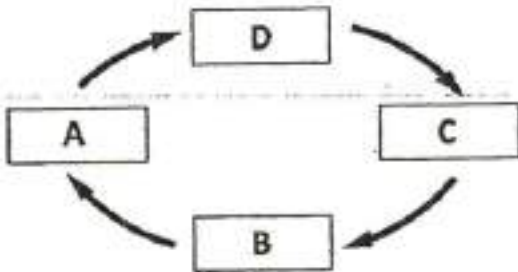
✓ A)



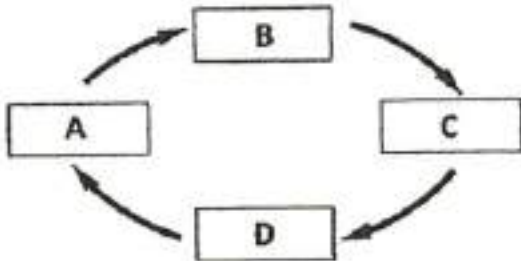
B)



C)



D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,830,339

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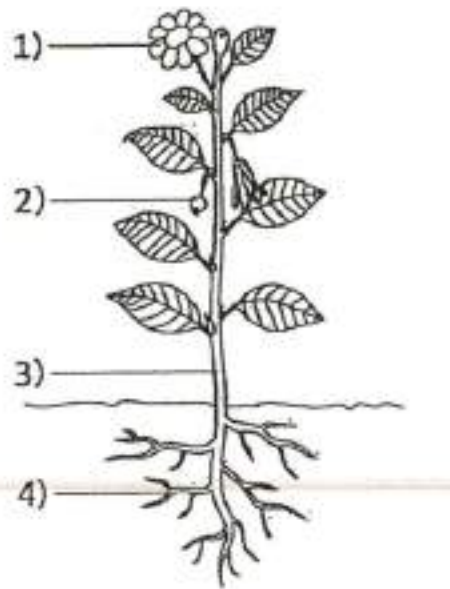
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Question 6

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

- The diagram shows a plant.
Which part, 1, 2, 3 or 4 is the stem?



- A) 1
B) 2
✓ C) 3
D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
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QID#: 25,830,346

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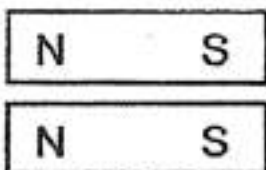
Question 7

Primary 4 Science » Primary 4 Science (Term 4)

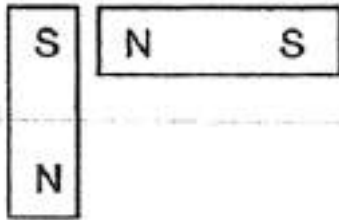
2 pts

In which one of the following will the two magnets push each other away?

- ✓ A)



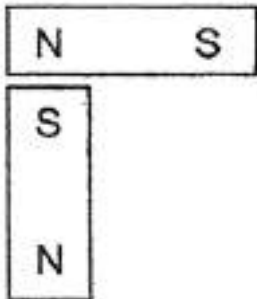
- B)



C)



D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,830,354

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Question 8

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Which one of the following is a source of light?

✓ A)



A campfire

B)



An apple

C)



The moon

D)



A twig

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
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QID#: 25,830,360

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Question 9

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The diagram shows a clock hanging on a wall on a nail.



Iron is used to make nails because iron _____.

- A) is shint
- B) is strong



- C) sinks in water
- D) conducts heat well

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,830,365

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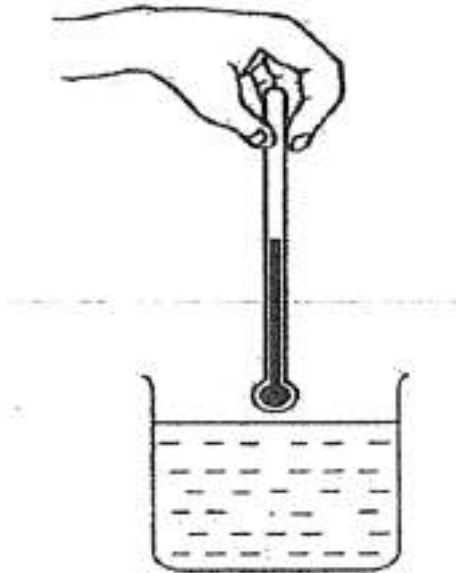
Question 10

Primary 4 Science » Primary 4 Science (Term 4)

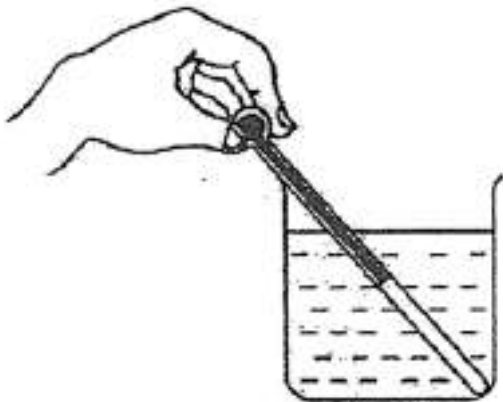
2 pts

Alvin wants to measure the temperature of hot water in a beaker.
Which one of the following diagrams shows the correct position of the thermometer when taking the temperature reading?

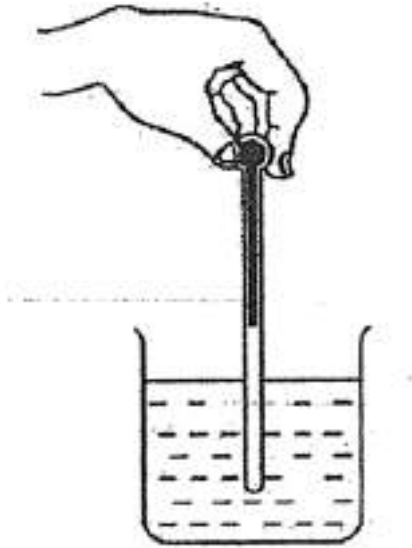
A)



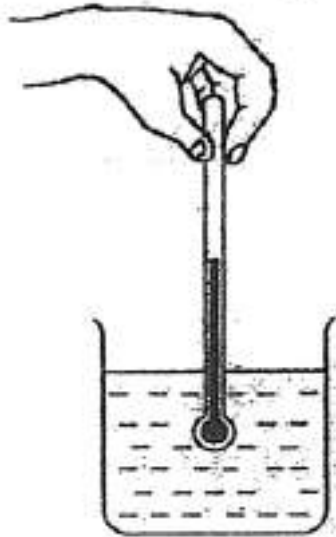
B)



C)



✓ D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,830,379

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Question 11

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Which of the following systems work together so that the whole body can receive oxygen?

- A) circulatory and digestive system
- B) muscular and digestive system
- ✓ C) circulatory and respiratory system
- D) muscular and respiratory system

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,830,422

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Question 12

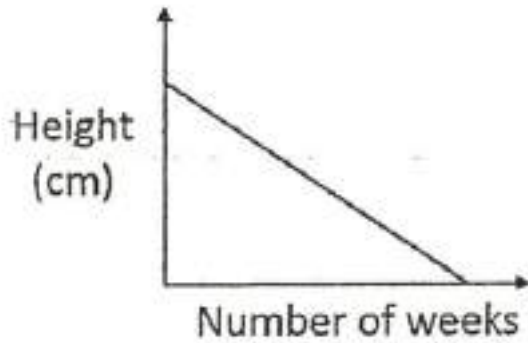
Primary 4 Science » Primary 4 Science (Term 4)

2 pts

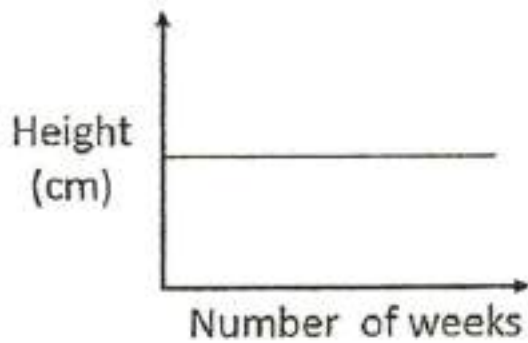
Which one of the following graphs shows the change in height as the seedling grows into an adult plant?



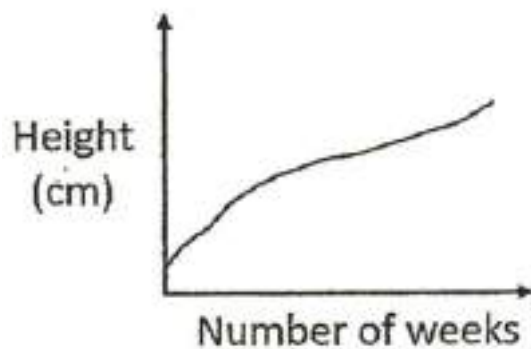
A)



B)



✓ C)



D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,830,800

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Question 13

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

What is/are the common property/properties of the objects shown below?



Grocery bag



Raincoat



Hair tie

A: They are light.
 B: They are hard.
 C: They are flexible.

- A) A only
 B) B only
 C) A and B only
 ✓ D) A and C only

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,830,808

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Question 14

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Wen Juan placed a light sensor in a completely dark room. She shone torch E at the light sensor and recorded the results in the table below. She then repeated the experiment with three torches, F, G and H.

Torch	Intensity of light in room when the torch was switched off (Lux)	Intensity of light in room when torch was switched on (Lux)
E	0	60
F	0	45
G	0	20
H	0	45

Which one of the following statements correctly explains Wen Juan's observations?

- A: Torch E is bigger than Torch H.
- B: Torch E is brighter than Torch G.
- C: Torch F and Torch H are equally bright.

- A) A and B only
- ✓ B) B and C only
- C) A and C only
- D) A, B and C

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Tue 12th Jan 2021
 Last Modified: N/A
 QID#: 25,830,817

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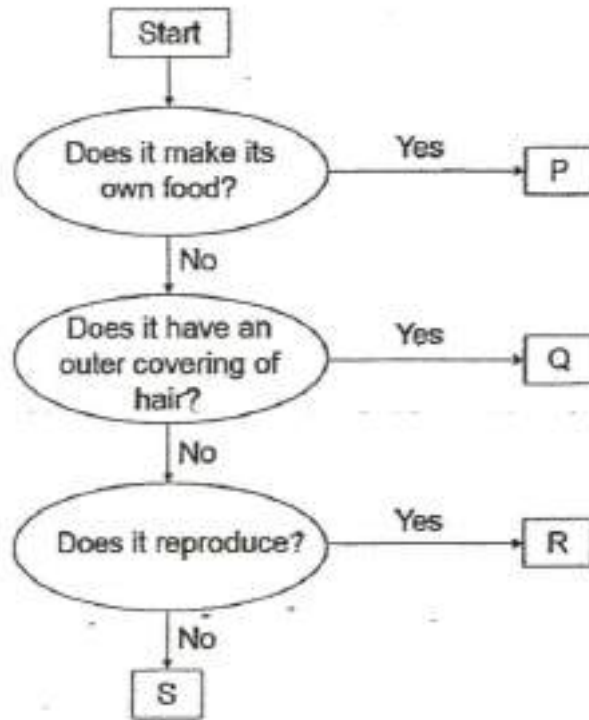
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Question 15

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Study the flow chart below.



What conclusions can be made from the information given?

- A: P is a plant.
- B: Q is a mammal.
- C: R may be a fungi.
- D: S is not a living thing.

- A) A and B only
- B) B and C only
- C) A, B and D only
- ✓ D) A, B, C and D

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,830,821

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Question 16

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Linda had four magnets, D, E, F and G. To compare the strength of the magnets, she brought each of the magnets near a pile of pins.

The table below shows the number of pins attracted by the magnets, D, E, F and G, from various distances.

Magnet	Distance between magnet and pins (cm)	Number of pins attracted
D	4	11
E	3	11
F	5	10
G	3	12

Which one of the following statements is definitely correct?

- A) Magnet D is as strong as magnet E
- B) Magnet F is the strongest magnet
- ✓ C) Magnet G is stronger than magnet E
- D) Magnet D is weaker than magnet G

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Tue 12th Jan 2021
 Last Modified: N/A
 QID#: 25,830,827

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Question 17

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Four similar spoons were used to hold an object each as shown in the diagram below.



Substance A



Substance B



Substance C



Substance D

Which one of the following substances is most likely not a solid?

- A) Substance A
- B) Substance B
- C) Substance C
- ✓ D) Substance D

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Tue 12th Jan 2021
 Last Modified: N/A
 QID#: 25,830,831

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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Question 18

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Muthu conducted an experiment. He placed two identical homemade biscuits on the table. He sprinkled some water on one of the biscuits.



biscuit sprinkled
with water



biscuit with no
water sprinkled

Three days later, Muthu noticed that the piece of biscuit that was sprinkled with water had mould on it. The piece of biscuit with no water sprinkled on it did not have any mould.

What can Muthu conclude from the experiment?

- A) Mould can make their own food
- ✓ B) Mould grow better in damp places
- C) Mould needs sunlight, water and air to survive
- D) Living things can reproduce faster than non-living things

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,830,835

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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Question 19

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Which of the following objects most likely use magnets to work?

- A: Compass
- B: Refrigerator
- C: Electric Iron
- D: Electric kettle
- E: Scrap iron crane

- A) A, B and C only
- ✓ B) A, B and E only
- C) B, C and D only
- D) B, C and E only

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,830,839

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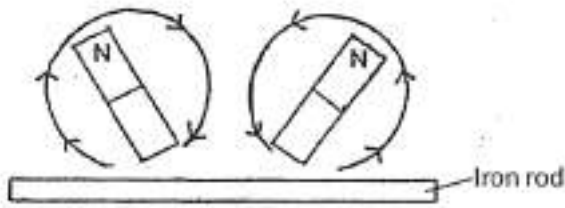
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Question 20

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

What will happen to the iron rod if it is stroked thirty times by each of the two magnets?



The iron rod will _____

- ✓ A) not become a magnet
- B) become a magnet with two different poles
- C) become a magnet with two north-seeking poles
- D) become a magnet with two south-seeking poles

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,830,843

[Answers](#) |
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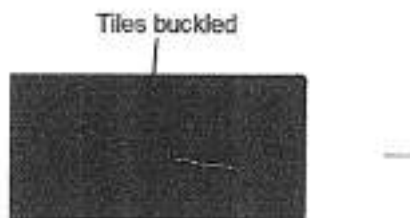
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Question 21

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

When Ginny reached home on a hot day, she realised that the tiles on her floor in her home had buckled.



The tiles buckled because the _____

- A) tiles contracted too much
- B) gaps between the tiles were too big
- ✓ C) rates of expansion between the tiles were different
- D) tiles were of different shapes

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,830,895

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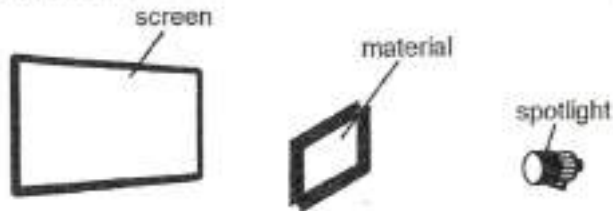
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Question 22

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Issac wanted to find out which materials allowed light to pass through using the following set-up as shown below.



Which of the following variables should he keep the same in order to conduct a fair test?

- A: Type of material
- B: Thickness of material
- C: Distance between the material and the screen

- A) B only
- B) A and B only
- C) A and C only
- ✓ D) B and C only

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,830,903

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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Question 23

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Dynamic Rope Company produces ropes for all purposes.

A climber made a list of the type of rope she needs:

- It can be coiled up easily.
- It will not weigh her down.
- It will not break if she falls.

The table below shows 4 types of ropes that the company produces and their properties.

Property \ Rope	Apex	Beta	Delta	Kappa
Flexibility	High	Low	Medium	Low
Weight	Low	Medium	Low	Low
Strength	High	High	Low	High

Which rope should the climber purchase?

- ✓ A) Apex
 B) Beta
 C) Delta
 D) Kappa

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Tue 12th Jan 2021
 Last Modified: N/A
 QID#: 25,830,907

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

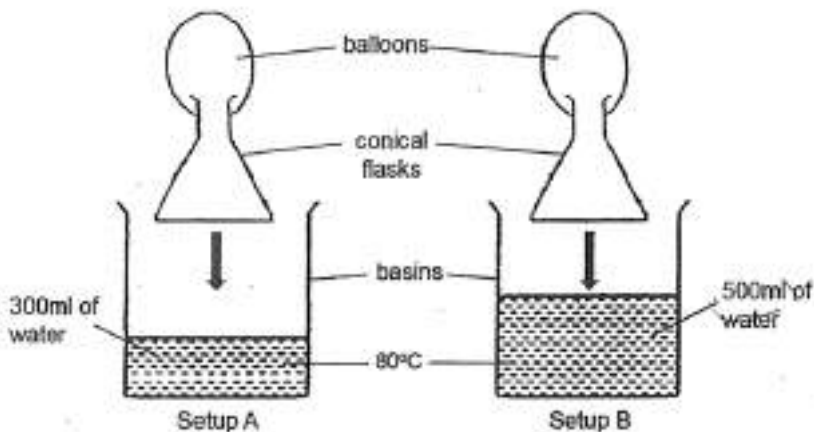
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Question 24

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

i. Ronaldo set up an experiment using similar balloons, basins and conical flasks as shown below.



After five minutes, the balloon in setup B was more inflated than the balloon in setup A.

Which one of the following conclusions could Ronaldo make from his experiment?

- A) Colder water was used in setup A than in setup B
- ✓ B) Water in Setup B contained more heat than the water in setup A
- C) The conical flask in setup A lost more heat than the one in setup B
- D) The conical flask in setup B conducted heat faster than the one in setup A

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,830,916

[Answers](#) |
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Question 25

Primary 4 Science » Primary 4 Science (Term 4)

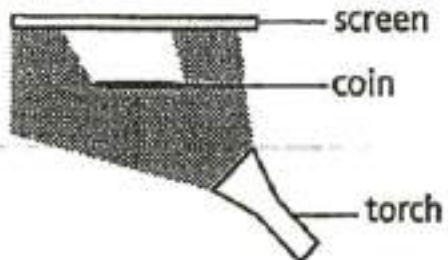
2 pts

Which of the following torch positions would create an oval shadow of the 20-cent coin on the screen?

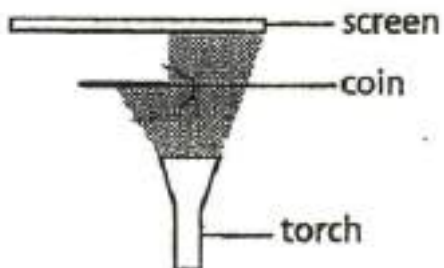


20-cent coin

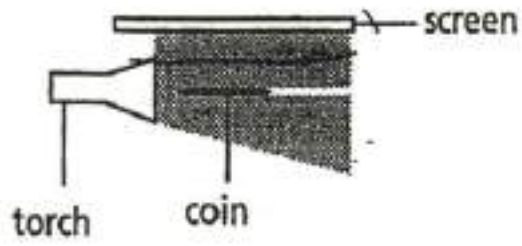
✓ A)



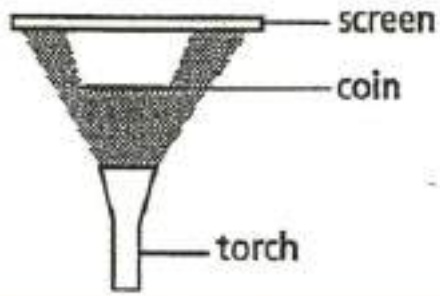
B)



C)



D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,830,960

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

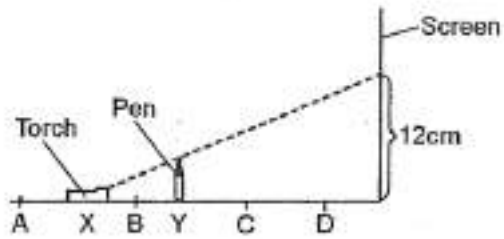
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Question 26

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Jasmy wanted to find out if the position of the torch and the pen would affect the length of the shadow cast on the screen. She marked 6 points on the table in front of the screen and placed a torch at X and a pen at Y, as shown in the diagram below.



When she switched on the torch, she observed a 12cm long shadow of the pen cast on the screen. Jasmy then placed the torch and the pen at different positions and recorded her observations in the table as shown below.

Which of the following could she have observed?

	Position of torch	Position of pen	Length of the shadow cast (cm)
1)	A	Y	15
2)	B	Y	10
3)	X	B	10
4)	X	C	8

- A) 1
 B) 2
 C) 3
 ✓ D) 4

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Tue 12th Jan 2021
 Last Modified: N/A
 QID#: 25,830,963

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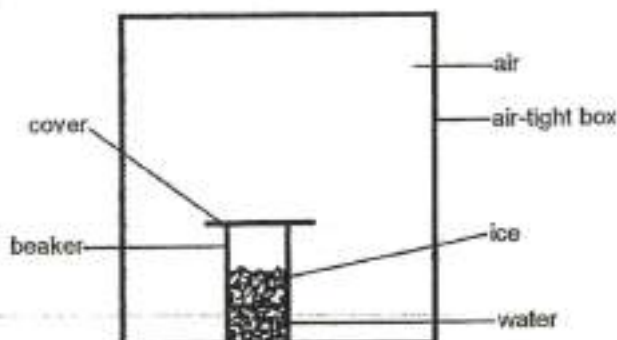
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Question 27

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Iris put a beaker of water with ice cubes in an air-tight box as shown in the diagram below.



Which one of the following statements is correct about the air in the box?

- A) The air will gain heat and expand
- ✓ B) The air will lose heat and become cooler
- C) The air will gain heat and become warmer
- D) Coldness is transferred from the ice to the air

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,830,974

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

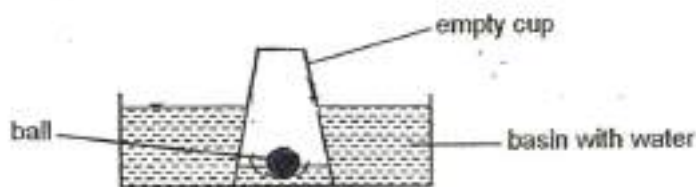
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Question 28

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Gina lowered an empty cup and a small ball into a basin of water until the cup touched the bottom of the basin. She observed that the water level inside the cup was not the same as the water level in the basin. The ball still floated on the water as shown in diagram below.



What could be the main reason for the difference in the water level inside and outside the cup?

- ✓ A) The air trapped in the cup occupied space
- B) The ball pushed the water out from the cup
- C) The air trapped in the cup dissolved in the water
- D) The ball in the cup occupied space

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,830,985

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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Question 29

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

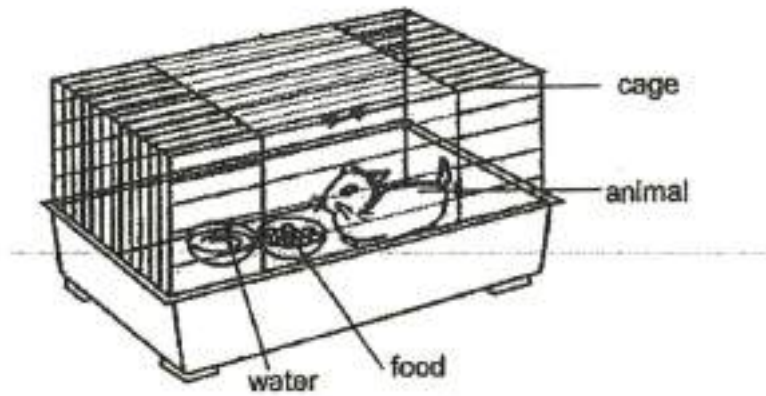
Booklet B

This section is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it

was designed in such a way that it requires manual assistance.

Study the diagram below.



Circle what happened to the amount of food in the bowl after a few days.

- A) increase
- ✓ B) decrease
- C) remain the same

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: Tue 12th Jan 2021
QID#: 25,831,001

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 30

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Based on the diagram above, name one substance this animals need so the it can remain alive.

Accepted answers:

- ✓ food

Question Type: Free Text
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,006

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 31

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Classify the following animals according to the number of stages in their life cycles. [2]



frog



grasshopper



beetle



duck

Three stages	Four stages

Question Type: Essay
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,011

Correctly answered feedback

Three stages: Frog, Grasshopper, Duck
 Four stages: Beetle

Incorrectly answered feedback

Three stages: Frog, Grasshopper, Duck
 Four stages: Beetle

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

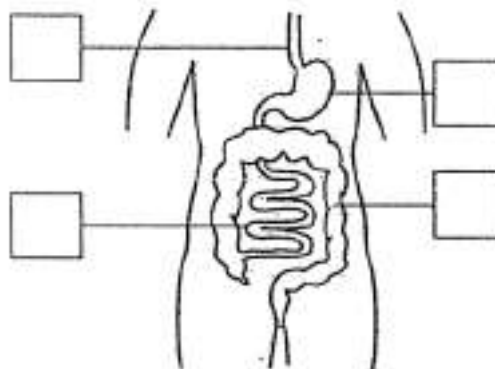
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Question 32

Primary 4 Science » Primary 4 Science (Term 4)

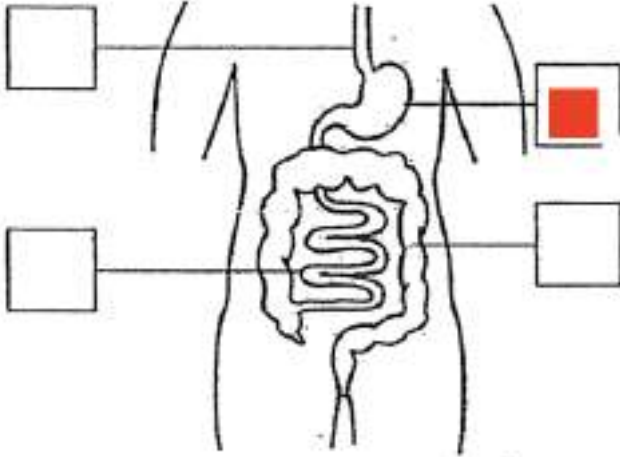
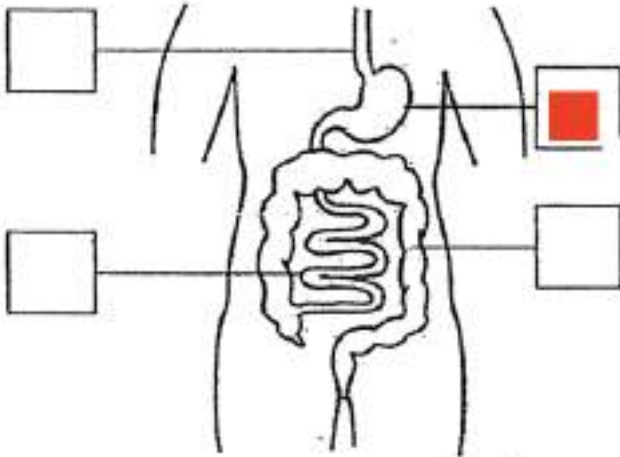
0 pts

The diagram shows part of the human digestive system.



Tick one box to show where the stomach is.

Question Type: Essay
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,034

Correctly answered feedback**Incorrectly answered feedback**

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 33

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Food from the stomach is next passed on to the _____

- ✓ A) small intestine
- B) large intestine
- C) gullet
- D) mouth

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,038

[Answers](#) |
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 [Duplicate](#) |
 [Used In](#) |
 [Reorder](#)

[Remove From Test](#)

Question 34

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Name any two parts of the system where digestive juices are produced

Question Type: Essay
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,042

Correctly answered feedback

Mouth and stomach/small intestine

Incorrectly answered feedback

Mouth and stomach/small intestine

[Answers](#) |
 [Edit](#) |
 [Duplicate](#) |
 [Used In](#) |
 [Reorder](#)

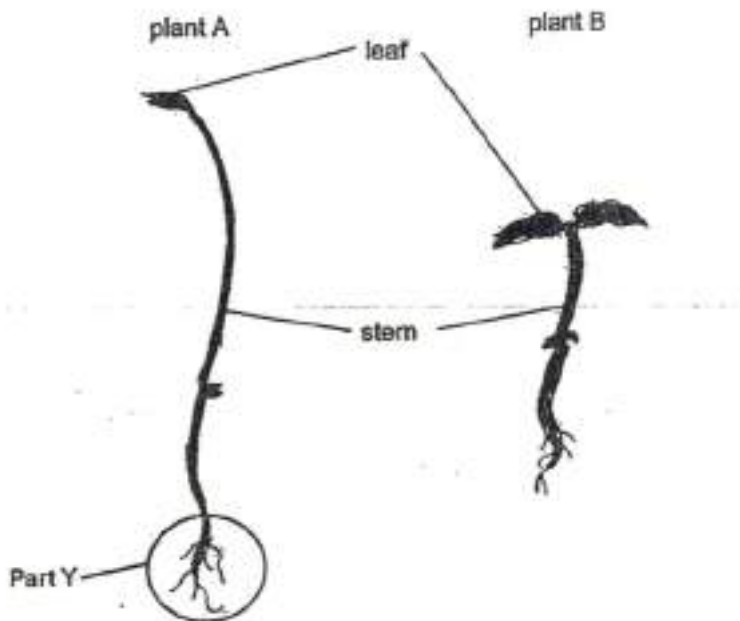
[Remove From Test](#)

Question 35

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

The diagram below shows two plants.



What is one difference between the stem of plant A and the stem of plant B?

The stem of plant A is _____ than the stem of the plant B.

Accepted answers:

✓ taller

Question Type: Free Text

Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,046

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 36

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

The leaves help both plants make ____ in the light.

Accepted answers:

✓ food

Question Type: Free Text
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,049

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 37

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

When part "Y" is removed, the plant died. Explain

Question Type: Essay
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,054

Correctly answered feedback

The plant has no root to takin in

Incorrectly answered feedback

The plant has no root to takin in

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

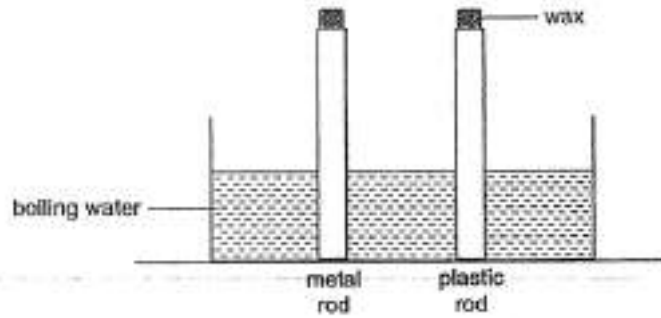
[Remove From Test](#)

Question 38

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Yan Hui placed a metal rod and a plastic rod into a tank of boiling water as shown below. Equal amounts of wax were put on both rods.



What would she observe and why?

[2]

The wax on the metal rod melted _____ than the wax on the plastic rod as metal is a _____ conductor of heat.

Accepted answers:

- ✓ faster, better
- ✓ faster,better
- ✓ faster better
- ✓ faster ,better

Question Type: Free Text
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,061

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 39

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Yan Hui wants her ice cream to remain frozen for as long as possible. Should she use a metal or plastic container to keep her ice cream in? Explain your answer.

Question Type: Essay
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,068

Correctly answered feedback

Plastic is a poorer conductor of heat than metal. Thus, ice cream gains heat from the surroundings slower

Incorrectly answered feedback

Plastic is a poorer conductor of heat than metal. Thus, ice cream gains heat from the surroundings slower

Question 40

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Ahmad left a plate of mee rebus in a warm place at the kitchen. Ahmad noticed that the plate of mee rebus looked the same but gave off a bad sour smell the next day. It had turned bad.



Which group of living things caused the mee rebus to turn bad?

[1]

Accepted answers:

✓ decomposers

Question Type: Free Text
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,073

Question 41

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

What would happen if Ahmad had put the plate of mee rebus in the refrigerator instead? Explain your answer

Question Type: Essay
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,080

Correctly answered feedback

Mee Rebus will not turn sour and decomposers need warmth to grow but the fridge is too cold

Incorrectly answered feedback

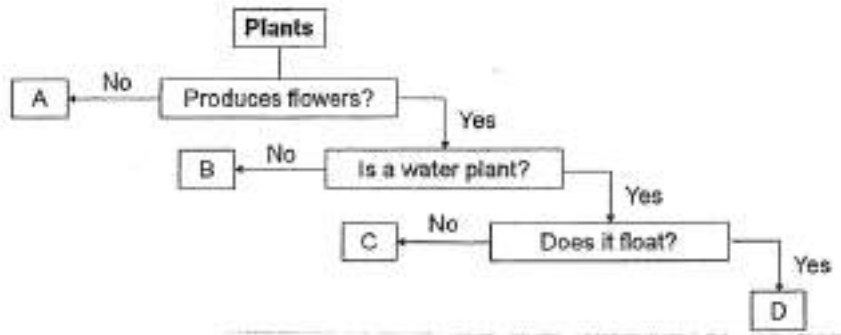
Mee Rebus will not turn sour and decomposers need warmth to grow but the fridge is too cold

Question 42

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

The flow chart below shows the characteristics of Plants A, B, C and D.



Felicia observed a living thing, X, and recorded her observations in her notebook.

- X grows in water.
- X does not produce flowers.

a) Which plant, A, B, C or D is X most likely to be? [1]

- ✓ A) A
B) B
C) C
D) D

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,087

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 43

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Felicia found another plant, Y, growing in the school garden as shown below.



b) Which plant, A, B, C or D can Plant Y be grouped with?

- A) A
B) B
C) C
D) D



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,092

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 44

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Based on the flow chart above, explain your answer in (b)

Question Type: Essay
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,097

Correctly answered feedback

Y produces flowers, is a water plant and can float on water.

Incorrectly answered feedback

Y produces flowers, is a water plant and can float on water.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

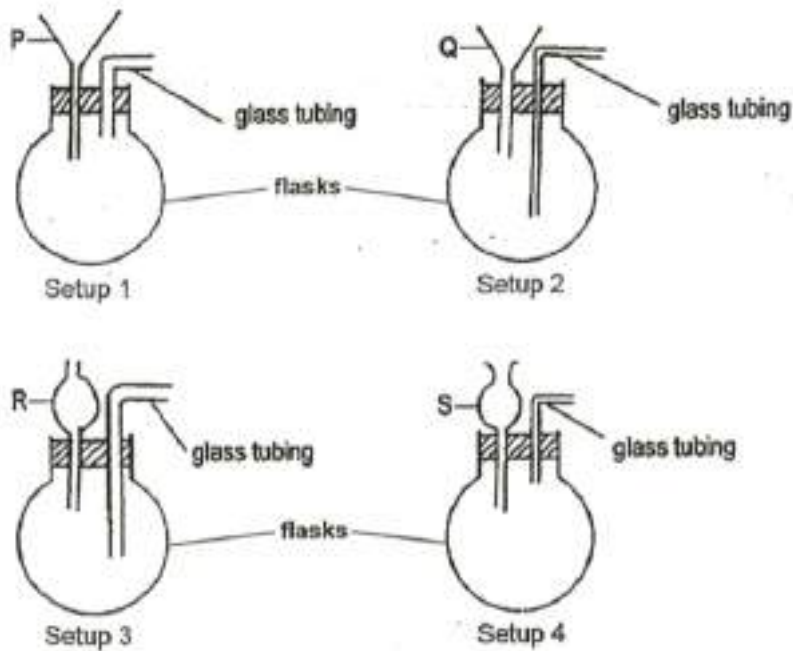
[Remove From Test](#)

Question 45

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

- Mary was given four funnels, labelled P, Q, R and S. She was asked to find out which one of these funnels would allow water to flow through it most quickly. She poured some water into each funnel using the following set-ups and started the stop watch to find out how long the water took to flow into each flask.



Mary's teacher told her to use the glass tubing of the same size for all setups so that it would be a fair test. Why is this so? [1]

Question Type: Essay
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,108

Correctly answered feedback

The width of the glass tubing can affect the amount of air in the flask that escape through the funnel.

Incorrectly answered feedback

The width of the glass tubing can affect the amount of air in the flask that escape through the funnel.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

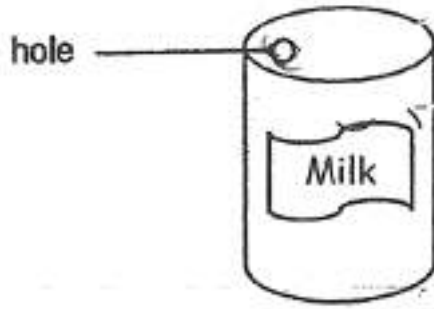
[Remove From Test](#)

Question 46

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

- ✓ Jason made a hole on the top of a milk can so that he can pour out the milk.



Jason tried pouring the milk out but found that it flowed out very slowly.

- (i) Without enlarging the hole or opening the can, what could Jason do so that the milk could flow out faster? [1]

Question Type: Essay
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,111

Correctly answered feedback

Make an extra hole

Incorrectly answered feedback

Make an extra hole

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 47

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Explain how the suggestion in (a) would allow the milk to flow out more easily.

Question Type: Essay
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,116

Correctly answered feedback

The extra hole will allow air to enter the can and push the milk out

Incorrectly answered feedback

The extra hole will allow air to enter the can and push the milk out

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

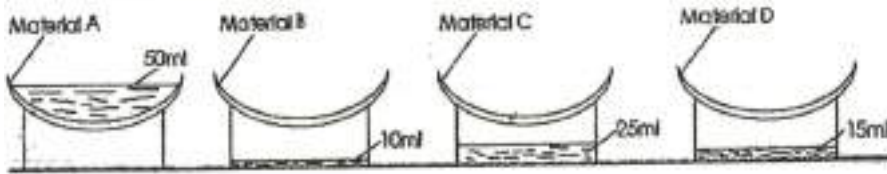
[Remove From Test](#)

Question 48

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Mrs Lee wanted to find out which one of the 4 materials, A, B, C or D is able to absorb the most amount of water. She placed the 4 materials over 4 water troughs respectively and poured 50ml of water onto each of the materials. The diagrams below show the amount of water that was able to pass through the materials after 30 minutes.



Arrange the materials according to how well they absorb water.
Write down A, B, C and D in the boxes below. [2]

Match

the options below:

Clue	Match
B	Most absorbent
D	More absorbent
C	Less absorbent
A	Least absorbent

Question Type: Matching
Grade style: Full points if all answers are correct
Shuffle Mode: Shuffle Matches Only
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,177

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#) [Remove From Test](#)

Question 49

Primary 4 Science » Primary 4 Science (Term 4) 0 pts

b) Based on your answer in (a), which material, A, B, C or D, is most suitable to make part J and K? Give a reason for your answer. [2]



Part	Material used	Reason
J		
K		

Question Type: Essay
 Date Added: Tue 12th Jan 2021
 Last Modified: N/A
 QID#: 25,831,185

Correctly answered feedback

J – B . It is able to absorb the most water. (must show comparison with 'most')
 K – A. It is waterproof/ cannot absorb any water.

Incorrectly answered feedback

J – B . It is able to absorb the most water. (must show comparison with 'most')
 K – A. It is waterproof/ cannot absorb any water.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

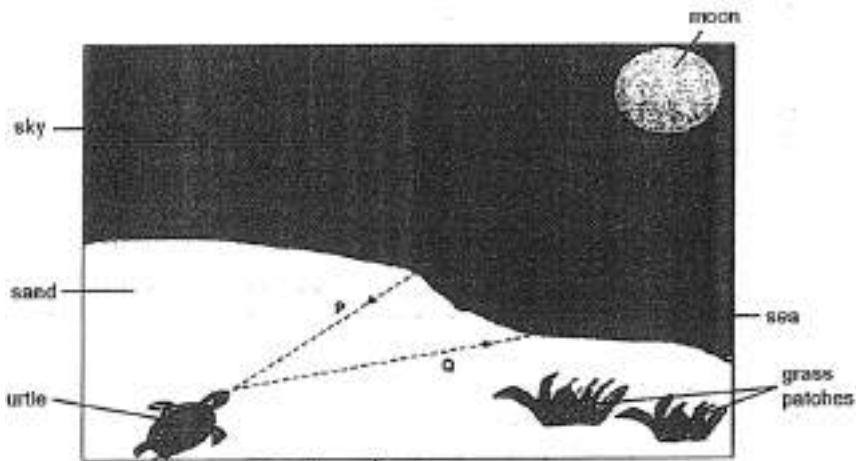
[Remove From Test](#)

Question 50

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

On a beach one night, Rahim observed a turtle moving on the sand.



Which set of arrows, P or Q, correctly shows how the turtle could see the moon?

[1]

✓ A) P

B) Q

Question Type: True False
 Date Added: Tue 12th Jan 2021
 Last Modified: N/A
 QID#: 25,831,190

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

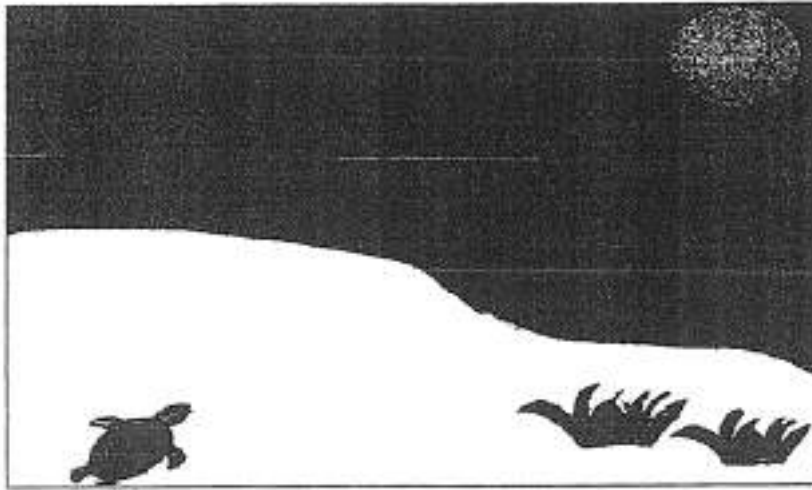
[Remove From Test](#)

Question 51

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Draw another set of arrows to show how the turtle can see the grass in the moonlight in the diagram below. [1]



Please type "done" to proceed to the next question

Question Type: Essay
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,242

Correctly answered feedback



Incorrectly answered feedback



[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

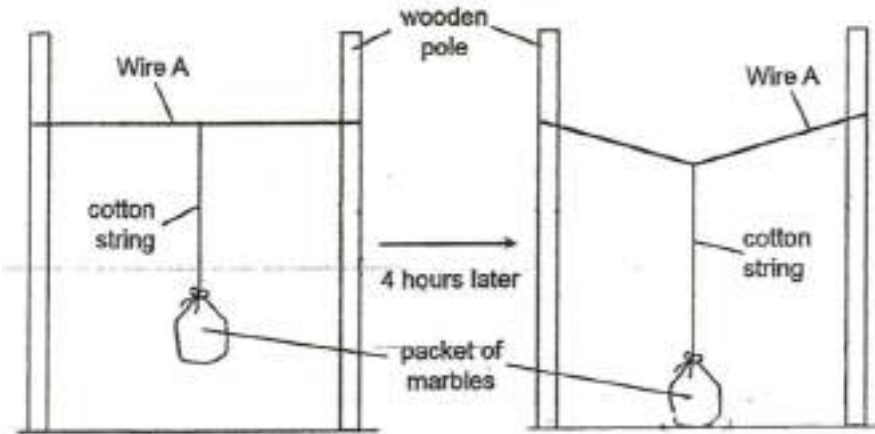
[Remove From Test](#)

Question 52

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Jay tied a packet of marbles on Wire A on a hot day and observed it every hour. After four hours, he observed that the packet of marbles touched the ground as shown in the diagram below.



The next day, he repeated the experiment by replacing Wire A with Wire B under the same conditions. However, the packet of marbles did not touch the ground. What was Jay trying to find out? [1]

Question Type: Essay
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,251

Correctly answered feedback

To find out if wire A or B expand more upon heating

Incorrectly answered feedback

To find out if wire A or B expand more upon heating

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 53

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Tick two variables that do not affect the results of the experiment.

- A) length of wire
- B) mass of marbles
- C) thickness of wire
- ✓ D) colour of marbles
- ✓ E) colour of the wooden poles

Question Type: Multiple Response
Randomize Answers: No
Grade style: Full points if all answers are correct
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,309

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 54

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Which wire, A or B should Jay used to make an outdoor clothes line?

- A) A
 ✓ B) B

Question Type: True False
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,316

[Answers](#) |
 [Edit](#) |
 [Duplicate](#) |
 [Used In](#) |
 [Reorder](#)

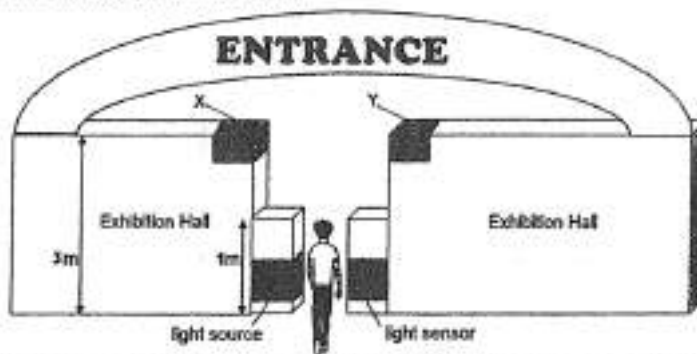
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Question 55

Primary 4 Science » Primary 4 Science (Term 4)

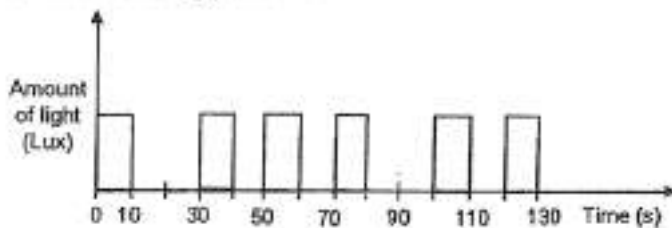
1 pt

The diagram below shows a light sensor which is used to count the number of people entering an exhibition hall.



The space between the light source and sensor only allows one person to enter the exhibition hall each time.

When the person enters the exhibition hall, the light is blocked. The readings of the sensor are recorded in the graph below.



a) How many people have gone into the exhibition hall in the first 80 seconds? [1]

Accepted answers:

- ✓ 3
 ✓ 3people
 ✓ 3 people

Question Type: Free Text

Date Added: Tue 12th Jan 2021
 Last Modified: N/A
 QID#: 25,831,328

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 56

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

if the sensor and light sourced moved to part X and part Y, the sensor cannot accurately record the number of people entering the exhibition hall. Why?

Question Type: Essay
 Date Added: Tue 12th Jan 2021
 Last Modified: N/A
 QID#: 25,831,392

Correctly answered feedback

Many people are too short to block the light of the sensor.
 OR The sensors are too high for its lights to be blocked by people.
 A comparison between the height of sensor and people must be indicated and the concept on light being blocked must be stated as reason why sensor won't work.

Incorrectly answered feedback

Many people are too short to block the light of the sensor.
 OR The sensors are too high for its lights to be blocked by people.
 A comparison between the height of sensor and people must be indicated and the concept on light being blocked must be stated as reason why sensor won't work.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 57

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Which property of light allows this light sensor to work?

Question Type: Essay
 Date Added: Tue 12th Jan 2021
 Last Modified: N/A
 QID#: 25,831,396

Correctly answered feedback

Light travels in a straight line

Incorrectly answered feedback

Light travels in a straight line

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

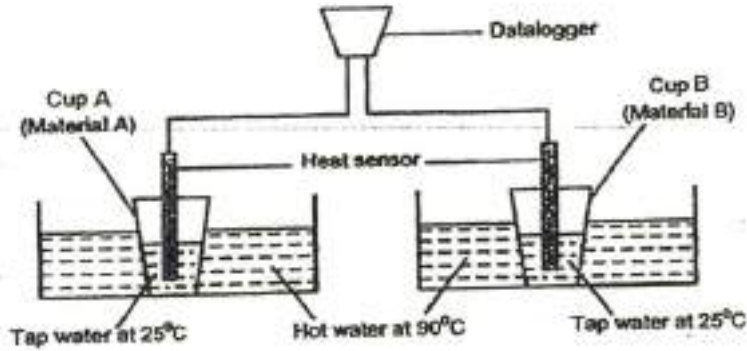
[Remove From Test](#)

Question 58

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

1. Mrs Fong carried out an experiment using two cups, A and B, made of different materials, A and B, respectively. She filled both cups with the same amount of water at a temperature of 25°C and placed them each into a basin of hot water at 90°C as shown in the diagram below.



Mrs Fong then used a datalogger to measure and recorded the temperature of water inside cups A and B for ten minutes. The results are shown below.

Cup	Temperature of water inside the cup		
	0 min	5 min	10 min
A	25°C	40°C	50°C
B	25°C	35°C	75°C

- a) Which material, A or B, is a better conductor of heat? Explain your answer using the results. [1]

Question Type: Essay
 Date Added: Tue 12th Jan 2021
 Last Modified: N/A
 QID#: 25,831,407

Correctly answered feedback

B. B is a better conductor of heat because tap water/ water in the cup gained heat faster to reach a higher temperature at the end of the experiment.

Incorrectly answered feedback

B. B is a better conductor of heat because tap water/ water in the cup gained heat faster to reach a higher temperature at the end of the experiment.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

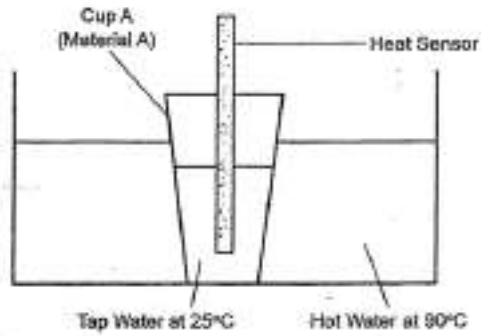
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Question 59

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

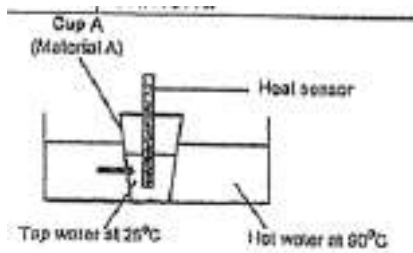
- b) In the diagram below, draw an arrow to show how heat is transferred between the water in the basin and the water in the cup. [1]



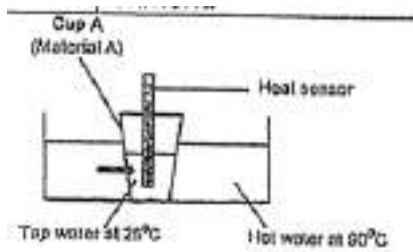
Please type "done" to proceed to the next question

Question Type: Essay
 Date Added: Tue 12th Jan 2021
 Last Modified: N/A
 QID#: 25,831,421

Correctly answered feedback



Incorrectly answered feedback



[Answers](#) |
 [Edit](#) |
 [Duplicate](#) |
 [Used In](#) |
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[Remove From Test](#)

Question 60

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

When will the heat transfer between the hot water in the basin and the water in the cup stop?

Question Type: Essay
 Date Added: Tue 12th Jan 2021
 Last Modified: N/A
 QID#: 25,831,429

Correctly answered feedback

When both tap water and hot water in basin reach the same temperature.

Incorrectly answered feedback

When both tap water and hot water in basin reach the same temperature.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

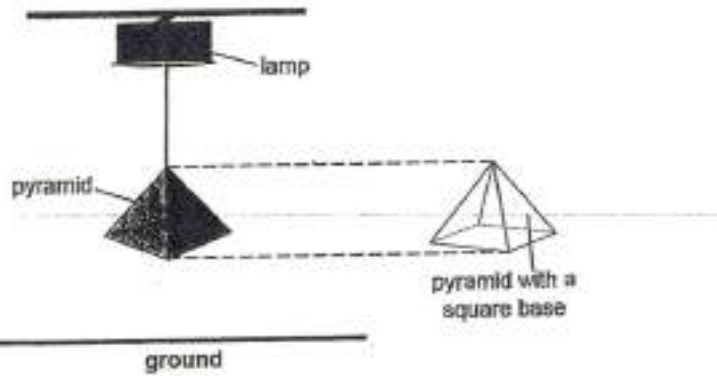
[Remove From Test](#)

Question 61

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

In the diagram below, Lynn hangs a wooden pyramid with a square base directly below a lamp which is fixed on the ceiling.



- a) Draw how the shadow would look like on the ground in the box below. [1]

Please type "done" to proceed to the next question

Question Type: Essay
 Date Added: Tue 12th Jan 2021
 Last Modified: N/A
 QID#: 25,831,483

Correctly answered feedback

a) square

**Incorrectly answered feedback**

a) square



[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 62

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

To make a bigger shadow on the ground, what can Lynn do to the string?

- A) cut the string
- B) lengthen it
- C) shorten it



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,489

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 63

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

When the pyramid is turned upside down, its distance from the ground remains the same as in (a). Will its shadow be bigger, smaller or the same as in (a)?

- ✓ **A)** bigger
B) smaller
C) same as (a)

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 12th Jan 2021
Last Modified: N/A
QID#: 25,831,501

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)